

Claims

1. A device for holding at least one dressing (03) on a cylinder (01) of a rotary printing press, wherein the device is arranged in a channel (07) of the cylinder (01), wherein the channel (07) has a wall (12) and an opening (11) oriented toward the surface area (02) of the cylinder (01), wherein from the opening (11) at least one wall (08) extends from a tangent line (T) resting on the opening (11) in the surface area (02) at an acute angle (α) toward the channel (07), wherein the device has at least one torsion-resistant holding means (19), which is pivotably seated in the channel (07) and has a first end (21) and a second end (22), wherein the first end (21) holds a beveled leg (06) of the dressing (03) inserted into the opening (11), and the seating and center point of the holding means (19) is located on the second end (22), characterized in that a dimensionally-stable bow (23) is arranged in the channel (07) and is supported on the wall (08) of the opening (11), which extends at an acute angle (α) toward the channel (07).

2. A device for holding at least one dressing (03) on a cylinder (01) of a rotary printing press, wherein the device is arranged in a channel (07) of the cylinder (01), wherein the channel (07) has a wall (12) and an opening (11) oriented toward the surface area (02) of the cylinder (01), wherein from the opening (11) at least one wall (08) extends from a tangent line (T) resting on the opening (11) in the surface area (02) at an acute angle (α) toward the channel

(07), wherein the device has at least one torsion-resistant holding means (19), which is pivotably seated in the channel (07) and has a first end (21) and a second end (22), wherein the first end (21) holds a beveled leg (06) of the dressing (03) inserted into the opening (11), and the seating and center point of the holding means (19) is located on the second end (22), characterized in that a dimensionally-stable bow (23) is arranged in the channel (07), which is supported on individual support points, wherein one support point is located on the wall (12) of the channel (07), or on the wall (08) of the opening (11) extending at the acute angle (α) toward the channel (07).

3. The device in accordance with claim 1 or 2, characterized in that the bow (23) is arranged on the holding means (19).

4. The device in accordance with claim 1 or 2, characterized in that the bow (23) has an end oriented toward the first end (21) of the holding means (19).

5. The device in accordance with claim 1 or 2, characterized in that the bow (23) extends from the second end (22) of the holding means (19) to the wall (08) of the opening (11) which extends at the acute angle (α) toward the channel (07).

6. The device in accordance with claim 1 or 2, characterized in that the seating and center point of the

holding means (19) is arranged in or on the wall (12) of the channel (07).

7. The device in accordance with claim 1 or 2, characterized in that the support of the bow (23), aided by the spreading of the bow (23) and the holding means (19) by at least one spring (31) arranged between the bow (23) and the holding means (19), fixes the holding means (19) in place in its seating point.

8. The device in accordance with claim 7, characterized in that the spring (31) is supported near the first end (21) of the holding means (19).

9. A device for holding at least one dressing (03) on a cylinder (01) of a rotary printing press, wherein the device is arranged in a channel (07) of the cylinder (01), wherein the device has at least one torsion-resistant holding means (19), which is pivotably seated in the channel (07) and has a first end (21) and a second end (22), wherein the first end (21) holds a beveled leg (06) of the dressing (03) inserted into the opening (11), and the seating and center point of the holding means (19) is located on the second end (22), characterized in that a dimensionally-stable bow (23) with a supporting point distanced from the seating and center point of the holding means (19) is arranged in the channel (07) on the holding means (19), wherein the seating and center point of the holding means (19) is arranged in or on the wall (12) of the channel (07).

10. A device for holding at least one dressing (03) on a cylinder (01) of a rotary printing press, wherein the device is arranged in a channel (07) of the cylinder (01), wherein the device has at least one torsion-resistant holding means (19), which is pivotably seated in the channel (07) and has a first end (21) and a second end (22), wherein the first end (21) holds a beveled leg (06) of the dressing (03) inserted into the opening (11), and the seating and center point of the holding means (19) is located on the second end (22), characterized in that a stop (38) is arranged in the channel (07) between the holding means (19) and a dimensionally-stable bow (23) oriented from the second end (22) of the holding means (19) to its first end (21), wherein the stop (38) limits a pivot movement of the holding means (19) oriented toward the bow (23).

11. The device in accordance with claim 9 or 10, characterized in that the channel (07) has a wall (12) and an opening (11) oriented toward the surface area (02) of the cylinder (01), wherein from the opening (11) at least one wall (08) extends from a tangent line (T) resting on the opening (11) in the surface area (02) at an acute angle (α) toward the channel (07).

12. The device in accordance with claim 9 or 11, characterized in that a further support point of the bow (23) is located on the wall (12) of the channel (07) or on the wall (08) of the opening (11) extending at an acute angle (α) toward the channel (07).

13. The device in accordance with claim 1, 2, 9 or 10, characterized in that the bow (23) is seated in at least three individual support points.

14. The device in accordance with claim 13, characterized in that one of the at least three support points of the bow (23) is located in the effective direction of a spring (31) arranged between the bow (23) and the holding means (19).

15. The device in accordance with claim 14, characterized in that the support point is located at the spring (31) near the first end (21) of the holding means (19).

16. The device in accordance with claim 1 or 2, characterized in that a further support point of the bow (23) is located at the holding means (19).

17. The device in accordance with claim 16, characterized in that the support point is located at the second end (22) of the holding means (19).

18. The device in accordance with claim 1, 2, 9 or 10, characterized in that the seating and center point of the holding means (19) is arranged approximately diametrically opposite the opening (11).

19. The device in accordance with claim 1, 2, 9 or 10, characterized in that the holding means (19) is a strip (19).

20. The device in accordance with claim 1, 2, 9 or 10, characterized in that the bow (23) is embodied as a punched-out/bent element made of sheet metal or as a molded part made of a plastic material.

21. The device in accordance with claim 1, 2, 9 or 10, characterized in that the bow (23) has a first leg (26) on its one end and a second leg (27) on its other end, wherein the first leg (26) is movably seated at the second end (22) of the holding means (19).

22. The device in accordance with claim 21, characterized in that at least one tongue (29) is formed on the second leg (27) of the bow (23), wherein a spring (31) is arranged on the tongue (29) between the holding means (19) and the bow (23).

23. The device in accordance with claim 21, characterized in that the first leg (26) of the bow (23), or at least a tongue (28) formed on the first leg (26) of the bow (23), extends into an opening cut into the holding means (19), or into a bore or punched-out section of the holding means (19).

24. The device in accordance with claim 22, characterized in that the spring (31) arranged on the tongue (29) of the second leg (27) of the bow (23) has been placed with a pulled-in last winding on this tongue (29) in a positively connected manner.

25. The device in accordance with claim 21, characterized in that the tongue (29) on the second leg (27) of the bow (23) has at least one strip (34) formed on it, or a correspondingly designed stop-like collar.

26. The device in accordance with one of claims 21 or 22, characterized in that a sleeve (39) with the spring (31) is arranged on the second leg (27) of the bow (23), or on the tongue (29) on the second leg (27) of the bow (23).

27. The device in accordance with claim 26, characterized in that the sleeve (39) is made of plastic.

28. The device in accordance with claim 26, characterized in that the sleeve (39) has a bore (41) or a blind bore (41), by means of which the sleeve (39) is pushed on the tongue (29).

29. The device in accordance with one of claims 22 or 26, characterized in that a front face (38) of the tongue (29) or of the sleeve (39) is used as a stop for limiting the pivoting range of the holding means (19) oriented toward the bow (23).

30. The device in accordance with claim 1, 2, 9 or 10, characterized in that an actuating means (36) intended for actuating the holding means (19) is provided in the channel (07).

31. The device in accordance with claim 30, characterized in that the actuating means (19) has a support (37).

32. The device in accordance with claim 31, characterized in that the support (37) is embodied as a strip extending in the axial direction of the channel (07) over the entire length of the latter.

33. The device in accordance with claim 32, characterized in that the support (37) is fastened on the front faces of the cylinder (01).

34. The device in accordance with claim 31, characterized in that the support (37) encloses the actuating means (38) at least partially, and that at least one tongue is formed on the support (37), wherein the at least one tongue extends into at least one opening, or a bore or a punched-out section of the holding means (19).

35. The device in accordance with claim 23 and 34, characterized in that the support (37) is attached to the same opening of the holding means (19) as the first leg (26) of the bow (23).

36. The device in accordance with claim 31, characterized in that the actuating means (36) and the support (37) are embodied as one piece, in that the material of the support (37) is incorporated into the material of the

actuating means (36), except for the side facing the holding means (19).

37. The device in accordance with claim 1, 2, 9 or 10, characterized in that the bow (23) is disengaged from a pivot movement of the holding means (19).

38. A method for mounting a device for holding at least one dressing (03) on a cylinder (01) of a rotary printing press, wherein the device is arranged in a channel (07) of the cylinder (01), characterized in that a spring (31) is placed on a leg (27) of a bow (23), that another leg (26) of the bow (23) is movably attached to an end (22) of a holding means (19) located in or on the bottom of the channel (07), and that the holding means (19) is inserted into the channel (07) together with the bow (23) and the spring (31).

39. The method in accordance with claim 38, characterized in that the device is introduced laterally into the channel (07).

40. The method in accordance with claim 38, characterized in that a support (37) of an actuating means (36) used for actuating the holding means (19) is attached to the holding means (19) prior to the holding means (19) being introduced into the channel (07).